Check #'s referenced in spec 5/17/99 TD

=> s (4007355 or 4092524)/pn

1 4007355/PN
1 4092524/PN
COMMAND INTERRUPTED

=> s (4007355 or 4092524 or 4298793 or 4367402 or 4539472 or 4625276 or 4642685 or 4677657 or 4746787)/pn

1 4007355/PN
1 4092524/PN
1 4298793/PN
1 4367402/PN
1 4539472/PN
1 4625276/PN
1 4642685/PN
1 4677657/PN
1 4746787/PN
L1 9 (4007355 OR 4092524 OR 4298793 OR 4367402 OR 4539472 OR 462
527
6 OR 4642685 OR 4677657 OR 4746787)/PN

=> d 1- cit

1. **4,746,787**, May 24, 1988, IC card with display and card recording and reading device; Shin-ichi Suto, et al., 235/379, 380 [IMAGE AVAILABLE]

2. **4,677,657**, Jun. 30, 1987, Voice recording card; Masanori Nagata, et al., 455/558; 235/380, 381; 340/825.34; 379/88.28, 91.01, 144, 357; 380/59; 455/90, 412; 704/201, 270 [IMAGE AVAILABLE]

3. **4,642,685**, Feb. 10, 1987, Storing data relating to television viewing; Lyn M. Roberts, et al., 348/13; 455/2 [IMAGE AVAILABLE]

4. **4,625,276**, Nov. 25, 1986, Data logging and transfer system using portable and resident units; William M. Benton, et al., 705/44; 235/379, 380; 379/91.01, 93.18, 106.02, 144, 148, 357; 705/41; 902/26, 39 [IMAGE AVAILABLE]

5. **4,539,472**, Sep. 3, 1985, Data processing card system and method of forming same; John J. Poetker, et al., 235/488, 492; 257/679 [IMAGE AVAILABLE]

6. **4,367,402**, Jan. 4, 1983, System for keeping account of predetermined homogeneous units; Georges Giraud, et al., 235/380, 487, 488, 492 [IMAGE AVAILABLE]

7. **4,298,793**, Nov. 3, 1981, Portable element for receiving, storing, displaying and outputting digital data, and a reservation device for use in a reservation system; Johannes H. A. M. Melis, et al., 235/487, 488, 492; 345/169 [IMAGE AVAILABLE]

8. **4,092,524**, May 30, 1978, Systems for storing and transferring data; Roland Moreno, 235/419, 487; 380/23 [IMAGE AVAILABLE]

9. **4,007,355**, Feb. 8, 1977, Data-transfer system; Roland Moreno,

235/379, 441, 492; 340/825.3; 902/22, 26 [IMAGE AVAILABLE]

=> s (4749982 or 4752677 or 4839504 or 4859837 or 4868376 or 4874935 or 4960981 or 4988987 or 5019697)/pn

```
             1 4749982/PN
             1 4752677/PN
             1 4839504/PN
             1 4859837/PN
             1 4868376/PN
             1 4874935/PN
             1 4960981/PN
             1 4988987/PN
             1 5019697/PN
L2           9 (4749982 OR 4752677 OR 4839504 OR 4859837 OR 4868376 OR 487
493
               5 OR 4960981 OR 4988987 OR 5019697)/PN
```

=> d 1- cit

1. **5,019,697**, May 28, 1991, Data collection system using memory card; Joel R. Postman, 235/441, 440, 492 [IMAGE AVAILABLE]

2. **4,988,987**, Jan. 29, 1991, Keysafe system with timer/calendar features; Philip D. Barrett, et al., 340/825.31; 70/63, 271; 235/382.5 [IMAGE AVAILABLE]

3. **4,960,981**, Oct. 2, 1990, Method of and system for electronic funds transfer via facsimile machines; William M. Benton, et al., 705/41, 39, 44; 902/40 [IMAGE AVAILABLE]

4. **4,874,935**, Oct. 17, 1989, Smart card apparatus and method of programming same; Thomas L. Younger, 235/492, 375, 379 [IMAGE AVAILABLE]

5. **4,868,376**, Sep. 19, 1989, Intelligent portable interactive personal data system; Arlen R. Lessin, et al., 235/492, 380, 487 [IMAGE AVAILABLE]

6. **4,859,837**, Aug. 22, 1989, Portable data carrier incorporating manually presettable processing modes; John W. Halpern, 235/380, 379, 487, 492; 361/681, 684; 364/708.1; 902/26 [IMAGE AVAILABLE]

7. **4,839,504**, Jun. 13, 1989, IC card system compatible with bank account system; Harumi Nakano, 235/379 [IMAGE AVAILABLE]

8. **4,752,677**, Jun. 21, 1988, Customer service system for use in IC card system; Harumi Nakano, et al., 235/380 [IMAGE AVAILABLE]

9. **4,749,982**, Jun. 7, 1988, Intelligent card; Kenji Rikuna, et al., 340/146.2; 235/380 [IMAGE AVAILABLE]

=> s 5025374/pn

```
L3           1 5025374/PN
```

=> d cit

1. **5,025,374**, Jun. 18, 1991, Portable system for choosing pre-operative patient test; Michael Roizen, et al., 600/300; 128/920 [IMAGE AVAILABLE]

=> s (434/350)/ccls

5/17/99

L1 102 (434/350)/CCLS

=> s l1 and ((user or customer) (5a) (developer))(l) (gather (5a) information)

294814 USER
37597 CUSTOMER
36716 DEVELOPER
12525 GATHER
400969 INFORMATION
6 ((USER OR CUSTOMER) (5A) (DEVELOPER))(L) (GATHER (5A) INFOR
MAT
ION)
L2 0 L1 AND ((USER OR CUSTOMER) (5A) (DEVELOPER))(L) (GATHER (5A
) I
NFORMATION)

=> s l1 and ((user or customer) (5a) (developer))(l) (gather (5a) data)

294814 USER
37597 CUSTOMER
36716 DEVELOPER
12525 GATHER
507334 DATA
8 ((USER OR CUSTOMER) (5A) (DEVELOPER))(L) (GATHER (5A) DATA)
L3 0 L1 AND ((USER OR CUSTOMER) (5A) (DEVELOPER))(L) (GATHER (5A
) D
ATA)

=> s ((user or customer) (5a) (developer))(l) (gather (5a) data)

294814 USER
37597 CUSTOMER
36716 DEVELOPER
12525 GATHER
507334 DATA
L4 8 ((USER OR CUSTOMER) (5A) (DEVELOPER))(L) (GATHER (5A) DATA)

=> d 1- cit

1. 5,819,092, Oct. 6, 1998, Online service development tool with fee setting capabilities; Charles H. Ferguson, et al., 395/701; 705/39 [IMAGE AVAILABLE]

2. 5,802,514, Sep. 1, 1998, Automated client/server development tool using drag-and-drop metaphor; Val J. Huber, 707/4; 345/348; 395/701; 707/1, 2, 10, 101, 102, 203, 505, 506, 507, 508 [IMAGE AVAILABLE]

3. 5,748,896, May 5, 1998, Remote network administration methods and apparatus; Una T. Daly, et al., 395/200.53, 712; 709/303 [IMAGE AVAILABLE]

4. 5,649,200, Jul. 15, 1997, Dynamic rule-based version control system; David B. Leblang, et al., 395/703; 364/222.81, 222.82, DIG.1; 707/203 [IMAGE AVAILABLE]

5. 5,574,898, Nov. 12, 1996, Dynamic software version editor which monitors a process to provide a list of objects that are accessed; David B. Leblang, et al., 707/1; 364/221.7, 280.6, DIG.1; 707/220 [IMAGE AVAILABLE]

6. 5,321,610, Jun. 14, 1994, Integrated product for implementing application software and process of developing integrated product for implementing application software; Jud Breslin, 705/9; 364/468.03, 468.05, 468.06 [IMAGE AVAILABLE]

7. 5,119,470, Jun. 2, 1992, Computer based inference engine device and method thereof for integrating backward chaining and forward chaining reasoning; Frederic D. Highland, et al., 706/48, 47 [IMAGE AVAILABLE]

8. 4,905,163, Feb. 27, 1990, Intelligent optical navigator dynamic information presentation and navigation system; Sharon R. Garber, et al., 706/55; 364/222.4, 274, 274.3, 274.4, 274.7, 275.1, 275.4, 275.6, 275.7, 275.9, 282.1, 283.1, DIG.1; 706/11 [IMAGE AVAILABLE]

=> s ((user or customer) (5a) (developer))(l) (gather (5a) information)

```
        294814 USER
         37597 CUSTOMER
         36716 DEVELOPER
         12525 GATHER
        400969 INFORMATION
L5           6 ((USER OR CUSTOMER) (5A) (DEVELOPER))(L) (GATHER (5A) INFOR
MAT
                ION)
```

=> d 1- cit

1. 5,883,623, Mar. 16, 1999, System and methods for building spreadsheet applications; Istvan Cseri, 345/335; 707/503 [IMAGE AVAILABLE]

2. 5,802,514, Sep. 1, 1998, Automated client/server development tool using drag-and-drop metaphor; Val J. Huber, 707/4; 345/348; 395/701; 707/1, 2, 10, 101, 102, 203, 505, 506, 507, 508 [IMAGE AVAILABLE]

3. 5,623,591, Apr. 22, 1997, System and methods for building spreadsheet applications; Istvan Cseri, 345/326; 707/503, 509 [IMAGE AVAILABLE]

4. 5,321,610, Jun. 14, 1994, Integrated product for implementing application software and process of developing integrated product for implementing application software; Jud Breslin, 705/9; 364/468.03, 468.05, 468.06 [IMAGE AVAILABLE]

5. 5,235,673, Aug. 10, 1993, Enhanced neural network shell for application programs; Shawn M. Austvold, et al., 706/44 [IMAGE AVAILABLE]

6. 4,905,163, Feb. 27, 1990, Intelligent optical navigator dynamic information presentation and navigation system; Sharon R. Garber, et al., 706/55; 364/222.4, 274, 274.3, 274.4, 274.7, 275.1, 275.4, 275.6, 275.7, 275.9, 282.1, 283.1, DIG.1; 706/11 [IMAGE AVAILABLE]

```
=> s (705/1 or 705/7 or 705/10 or 434/107 or 434/118 or 434/36#)/ccls

           194 705/1/CCLS
           108 705/7/CCLS
           143 705/10/CCLS
            69 434/107/CCLS
           175 434/118/CCLS
           639 434/36#/CCLS
L1        1243 (705/1 OR 705/7 OR 705/10 OR 434/107 OR 434/118 OR 434/36#)
/CC
                LS

=> s l1 and (automatic (L) portable (L) access) (L) (customer (8a) developer)
(L) (gather (5a) information)

         276954 AUTOMATIC
          87304 PORTABLE
         311997 ACCESS
          37533 CUSTOMER
          36683 DEVELOPER
          12512 GATHER
         400329 INFORMATION
              0 (AUTOMATIC (L) PORTABLE (L) ACCESS) (L) (CUSTOMER (8A) DEVE
LOP
                ER) (L) (GATHER (5A) INFORMATION)
L2            0 L1 AND (AUTOMATIC (L) PORTABLE (L) ACCESS) (L) (CUSTOMER (8
A)
                DEVELOPER) (L) (GATHER (5A) INFORMATION)

=> s l1 and (customer (8a) developer) (L) (gather (5a) information)

          37533 CUSTOMER
          36683 DEVELOPER
          12512 GATHER
         400329 INFORMATION
              1 (CUSTOMER (8A) DEVELOPER) (L) (GATHER (5A) INFORMATION)
L3            0 L1 AND (CUSTOMER (8A) DEVELOPER) (L) (GATHER (5A) INFORMATI
ON)

=> d 1 cit

'L3' HAS NO ANSWERS
L1         1243 SEA FILE=USPAT (705/1 OR 705/7 OR 705/10 OR 434/107 OR 434
/11
                 8 OR 434/36#)/CCLS
L3            0 SEA FILE=USPAT L1 AND (CUSTOMER (8A) DEVELOPER) (L) (GATHE
R (
                 5A) INFORMATION)

=> s (customer (8a) developer) (L) (gather (5a) information)

          37533 CUSTOMER
          36683 DEVELOPER
          12512 GATHER
         400329 INFORMATION
L4            1 (CUSTOMER (8A) DEVELOPER) (L) (GATHER (5A) INFORMATION)

=> d 1 cit
```

5/17/99

1. 5,802,514, Sep. [redacted] 1998, Automated client/server [redacted] velopment tool using drag-and-drop metaphor; Val J. Huber, 707/4; 345/348; 395/701; 707/1, 2, 10, 101, 102, 203, 505, 506, 507, 508 [IMAGE AVAILABLE]

=> d 1 kwic

US PAT NO: 5,802,514 [IMAGE AVAILABLE] L4: 1 of 1

DETDESC:

DETD(34)

In . . . application design, business rules definition and customization. In the application design cycle (particularly the subject of the present description), the **developer** and the **customer** design the application by drag-and-drop and implement the application using templates. In the business rules definition cycle, the **developer** and the **customer** design and implement the application's business logic. During the customization cycle, the **developer** and the **customer** customize the application's appearance, behavior and business logic if needed. Development steps in accordance with the present development tool contrast. . .